

ELECTRONIC SUPPLEMENTARY MATERIAL

Novel ionic liquid based dispersive liquid-liquid microextraction for the determination of bergapten and bergamottin in hydroalcoholic cosmetic formulations

Marco Kreidl^a, Matthias Harder^a, Matthias Rainer^a, Günther K. Bonn^{a,b*}

^aInstitute of Analytical Chemistry and Radiochemistry, CCB-Center for Chemistry and Biomedicine, Leopold-Franzens University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Austria

^bADSI-Austrian Drug Screening Institute GmbH, Innrain 66a, 6020 Innsbruck, Austria

* Corresponding author:

o.Univ.-Prof.Mag.Dr.Dr.h.c. Günther Bonn

Tel. +43 512 507 57300

Mail: Guenther.Bonn@uibk.ac.at

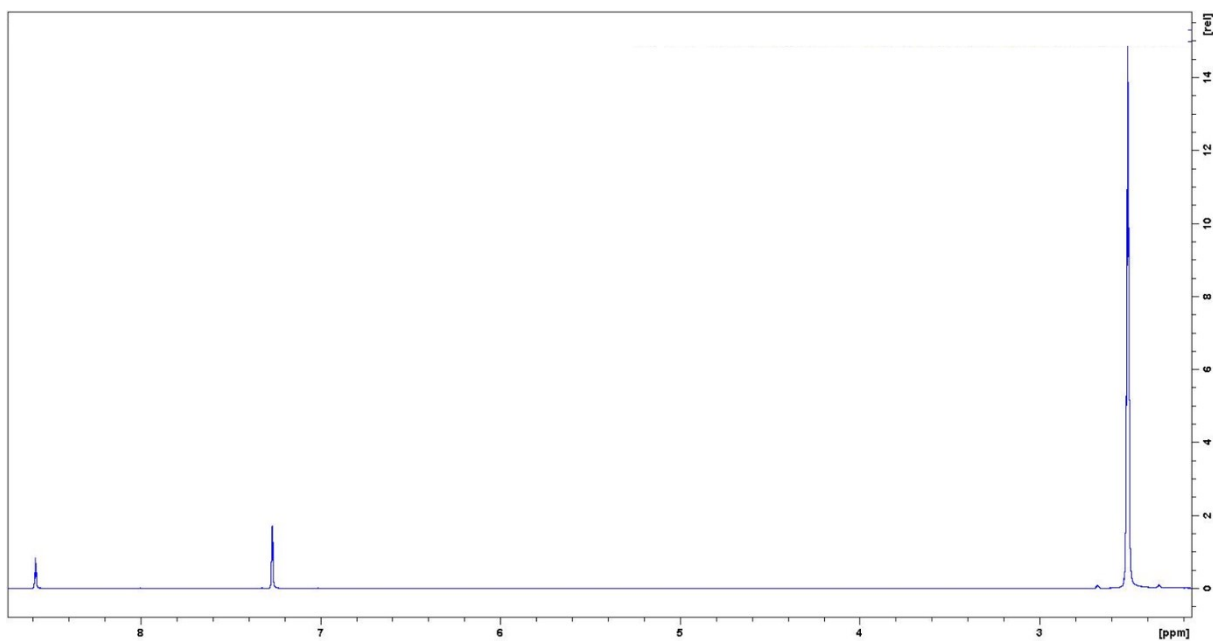


Figure S 1. ^1H NMR (400 MHz) of 1-hydroxyimidazol-3-oxide [HIMO].

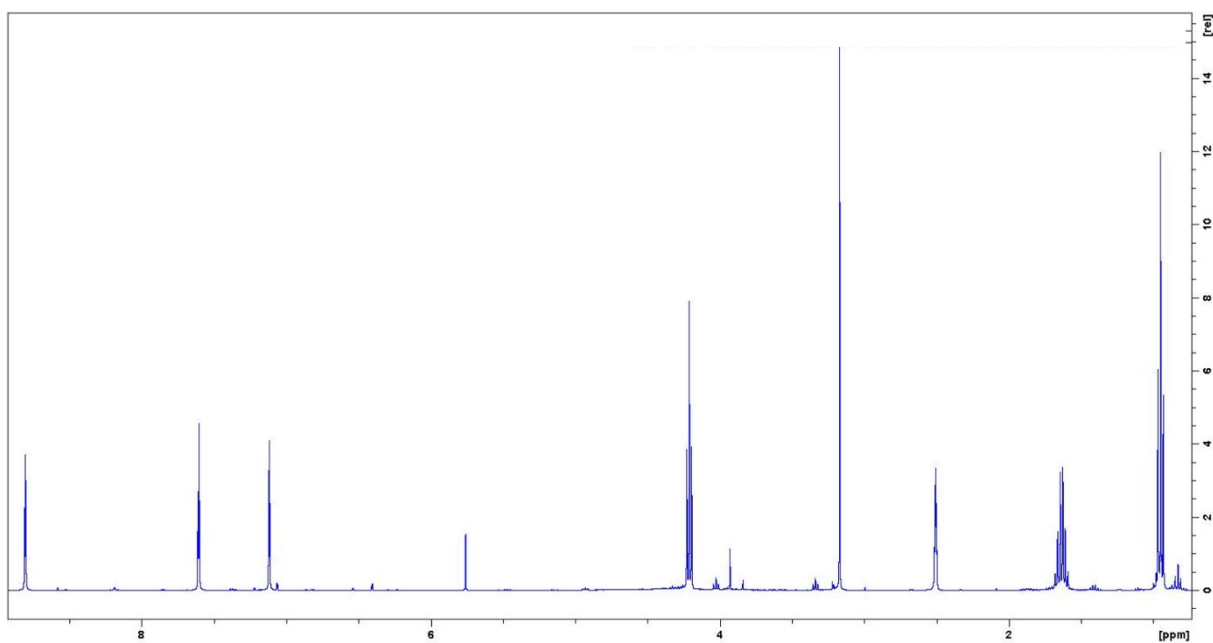


Figure S 2. ^1H NMR (400 MHz) of 1-propyloxyimidazole-3-oxide [PrIMO].

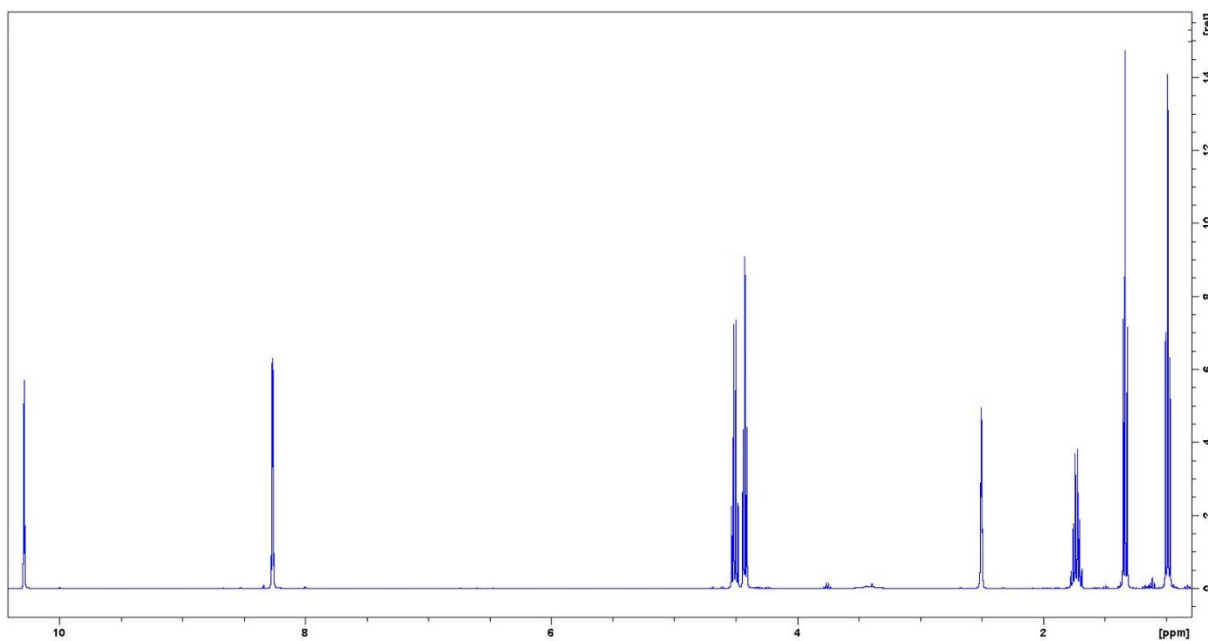


Figure S 3. ^1H NMR (400 MHz) of 1-propyloxy-3-ethoxyimidazolium bis(trifluoromethane)sulfonamide [PrEtIMO] [EtOSO₃].

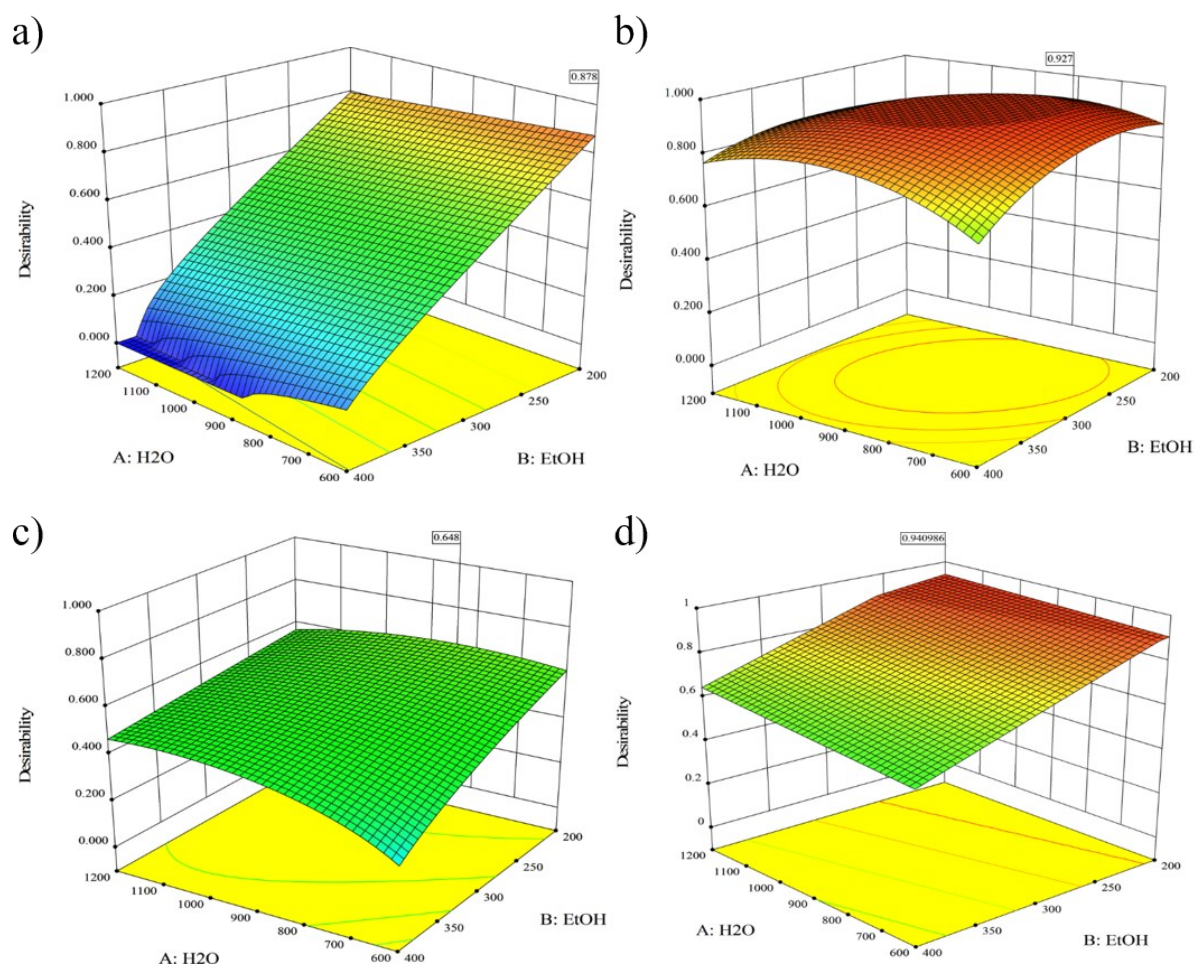


Figure S 4. Desirability plots of a) CH_2Cl_2 b) CHCl_3 c) CCl_4 and d) $\text{C}_6\text{H}_5\text{Cl}$.

